

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	moeller.in. and (sound with mask\$3) and (monitor\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/08/05 17:28
S1	516	(381/104).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/10/13 11:43
S2	348	(381/104).ccls. and volume	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/30 18:07
S3	20	mccrackin.in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/30 18:04
S4	4	"777388".AS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/01 09:51
S5	3	"4914706".URPN.	USPAT	OR	OFF	2004/08/30 18:06
S6	58	(381/73.1).ccls. and volume	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/03/09 09:19
S7	16	"4052720".URPN.	USPAT	OR	OFF	2004/08/30 18:17
S8	11	"4438526".URPN.	USPAT	OR	OFF	2004/08/30 18:18
S9	5	(sound adj2 mask\$3) same volume same memory	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/01 10:05
S10	0	(sound adj2 mask\$3) same (volume adj2 ramp)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/30 18:24
S11	0	(sound adj2 mask\$3) same (volume) same (ramp adj2 up)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/07/07 16:12
S12	0	(sound adj2 mask\$3) same (volume) same (ramp)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/31 18:34
S13	2	(sound adj2 mask\$3) and (volume) same (ramp)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/31 19:14
S14	151	(381/73.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/08/30 18:39

## EAST Search History

S15	38	(381/73.1).ccls. and memory	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/31 10:55
S16	5	(381/94.1).ccls. and volume same memory	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/01 09:45
S17	18	(volume) adj2 (ramp adj2 up)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/30 18:51
S18	1	(381/73.1).ccls. and (external adj3 volume)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/31 10:55
S19	37	(381/73.1).ccls. and (control adj2 signal)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/07/31 11:41
S20	4	"5360469".URPN.	USPAT	OR	OFF	2004/08/31 11:03
S21	1	(sound adj2 mask\$3) same (ramp)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/31 18:32
S22	0	control\$3 near2 volume near2 ramp-up	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/31 11:21
S23	0	control\$4 near2 volume near2 ramp-up	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/31 11:22
S24	4	control\$4 same (volume near2 ramp-up)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/31 11:23
S25	16	volume near2 ramp-up	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/31 11:25
S26	0	volume same mask\$3 same ramp-up	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/31 11:26
S27	3	volume same mask\$3 same ramp	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/31 11:27
S28	2	(381/73.1,94.1).ccls. and internal adj3 mask\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/31 18:21
S29	0	(381/73.1,94.1).ccls. and internal adj3 volume	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/31 18:22
S30	1	("20030142833").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/31 18:22

## EAST Search History

S31	394	(sound adj2 mask\$3)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/31 18:33
S32	41	(sound adj2 mask\$3) same (volume)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/01 09:35
S33	14	"4052564".URPN.	USPAT	OR	OFF	2004/08/31 18:35
S34	6	"4761921".URPN.	USPAT	OR	OFF	2004/08/31 18:36
S35	3	"4674124".URPN.	USPAT	OR	OFF	2004/08/31 18:37
S36	3	(volume) same ramp same mask\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/31 18:48
S37	21	(volume adj3 ramp) and mask\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/31 18:51
S38	0	volume adj3 ramp adj2 circuit	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/31 18:51
S39	0	(ramp-up adj2 circuit) same volume	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/31 19:06
S40	1	("4686693").PN.	USPAT; USOCR	OR	OFF	2004/08/31 19:06
S41	2	"4686693".URPN.	USPAT	OR	OFF	2004/08/31 19:06
S42	20	("3213851"   "3406344"   "3701946"   "3814856"   "3980827"   "4024535"   "4054751"   "4059726"   "4080602"   "4082918"   "4185167"   "4189713"   "4228402"   "4280019"   "4413261"   "4423289"   "4438526"   "4473906"   "4476572"   "4550400").PN.	USPAT	OR	OFF	2004/08/31 19:11
S43	7	(sound adj2 mask\$3) and (ramp-up)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/31 19:15
S44	8	(sound near4 mask\$3) and (ramp-up)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/31 19:15
S45	16	(sound same mask\$3) and (ramp-up)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/31 19:18
S46	1	("4054751").PN.	USPAT; USOCR	OR	OFF	2004/08/31 19:20
S47	1	"sound mist".AS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/31 19:20

## EAST Search History

S48	115	(volume adj4 masking)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/01 09:36
S49	15	"5450494".URPN.	USPAT	OR	OFF	2004/09/01 09:40
S50	5	(381/73.1,57,104,107,94.1).ccls. and volume same masking same memory	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/10/13 12:22
S51	17	(381/73.1,57,104,107,94.1).ccls. and volume same masking and memory	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/01 09:50
S52	9	"ontario".AS. and masking	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/10/14 18:12
S53	2	"ontario Limited".AS. and masking	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/01 09:53
S54	4	"Acentech".AS. and masking	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/01 10:02
S55	32	"Armstrong".AS. and masking	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/10/13 14:29
S56	0	("2003198339").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/01 10:05
S57	1	("20030198339").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/01 10:06
S58	15	("4061874"   "4247955"   "4479237"   "4553257"   "4558460"   "4641344"   "4868881"   "4944018"   "5018205"   "5034984"   "5081707"   "5204971"   "5208866"   "5396562"   "5434926").PN.	USPAT	OR	OFF	2005/07/07 15:03
S59	1	(381/73.1,57,104,107,94.1).ccls. and volume same masking same (ROM or EEPROM or EPROM)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/01 10:18
S60	5	(381/73.1,57,104,107,94.1).ccls. and volume same masking and (ROM or EEPROM or EPROM)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/01 10:18
S61	0	(381/73.1,57,104,107,94.1).ccls. and volume same masking same non-volatile	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/01 10:24
S62	6	(381/73.1,57,104,107,94.1).ccls. and volume same masking and non-volatile	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/01 10:26

## EAST Search History

S63	7	(381/73.1,57,104,107,94.1).ccls. and volume and masking and non-volatile	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/01 10:27
S64	15	(381/73.1,57,104,107,94.1).ccls. and volume and masking and (ROM or EEPROM or NVRAM or EPROM)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/01 10:32
S65	2	(381/73.1,57,104,107,94.1).ccls. and masking same (ROM or EEPROM or NVRAM or EPROM)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/01 10:33
S66	20	(381/73.1,57,104,107,94.1).ccls. and masking and (ROM or EEPROM or NVRAM or EPROM)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/01 10:37
S67	25	(381/73.1,57,104,107,94.1).ccls. and masking and (floppy or hard or flash)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/03/13 15:14
S68	3	((("4686693") or ("4052720") or ("4914706")).PN.	USPAT; USOCR	OR	OFF	2004/09/01 12:47
S69	3	"4914706".URPN.	USPAT	OR	OFF	2004/09/01 14:46
S70	3	"4914706".URPN.	USPAT	OR	OFF	2004/09/01 14:46
S71	1	("4686693").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/09/01 18:59
S72	0	(381/73.1,57,104,107,94.1).ccls. and (power adj2 loss) near3 retrie\$4	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/02 10:22
S73	12	(381/73.1,57,104,107,94.1).ccls. and (power adj2 loss)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/02 10:25
S74	13	(("3195067"   "3370125"   "4490683"   "4809339"   "4984931"   "4991221"   "5164991"   "5175770"   "5332976"   "5361381"   "5410265"   "5546468"   "5579397").PN.	USPAT	OR	OFF	2004/09/02 10:24
S75	0	(sound adj2 masking) same (power adj2 loss)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/02 10:25
S76	7	(sound adj2 masking) and (power adj2 loss)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/02 10:25
S78	5	moeller.in. and sound with mask\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/07/31 11:23
S79	2	((("4686693") or ("6594365")).PN.	USPAT	OR	OFF	2005/07/07 14:57

## EAST Search History

S80	5	((("5406634") or ("4185167") or ("4476572") or ("5689229") or ("4052720"))).PN.	USPAT	OR	OFF	2005/07/07 15:04
S81	39	(381/73.1).ccls. and (network)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/07/07 15:12
S82	29	(381/73.1).ccls. and (control\$4 with generat\$3 with mask\$3)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/07/07 15:13
S83	8	(381/73.1).ccls. and (masking adj3 generator near4 contro\$5)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/10/14 19:01
S84	6	"777388".AS. and masking	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/07/07 15:38
S85	5	rusu.in. and sound with mask\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/07/07 15:39
S86	4	derla.in. and sound with mask\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/07/07 15:40
S87	15	sound same masking same network same control	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/07/08 11:20
S88	4	("4686693").URPN.	USPAT	OR	OFF	2005/07/07 15:41
S89	19	(sound adj2 mask\$3) same (building)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/07/07 16:12
S90	6	("4319088").URPN.	USPAT	OR	OFF	2005/07/07 16:16
S91	1	("4319088").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/07/08 09:57
S92	5	sound same masking same network same paging	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/07/08 11:21
S93	10	masking same network same paging	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/10/14 18:13
S94	69	(network same paging) and masking	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/07/08 11:22
S95	6	("4319088").URPN.	USPAT	OR	OFF	2005/07/08 11:41
S96	2	(381/73.1).ccls. and (bidirectional or bi-directional)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/03/09 09:20

## EAST Search History

S97	37	(381/73.1).ccls. and (receiv\$3 same transmi\$7)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/03/09 09:29
S98	1	("5406634").PN.	USPAT	OR	OFF	2006/10/13 18:24
S99	3	(381/73.1,57,104,107,94.1).ccls. and (plurality with paging with signals)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/03/13 15:15
S100	35	(plurality adj2 paging adj2 signals)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/03/13 15:15
S101	8	"4185167"	USPAT	OR	OFF	2006/10/13 16:10
S102	5	"406634"	USPAT	OR	OFF	2006/10/13 11:43
S103	37	(381/73.1,57,104,107,94.1).ccls. and masking and network and (control near2 signal)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/10/13 14:21
S104	70	("381"/\$).ccls. and ((sound noise ambient) with masking) and network and (control near2 signal)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/10/13 14:06
S105	1	("5826172").PN.	USPAT	OR	OFF	2006/10/13 14:06
S106	4	("4914706").URPN.	USPAT	OR	OFF	2006/10/13 14:12
S107	7	(381/73.1,57,104,107,94.1).ccls. and masking and network and paging	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/10/13 15:31
S108	4	hendricks.in. and masking and paging	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/10/13 15:04
S109	45	((sound noise audio) near3 masking) and paging and network	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/10/13 15:04
S110	9	("3985200").URPN.	USPAT	OR	OFF	2006/10/13 15:08
S111	9	("4098370").URPN.	USPAT	OR	OFF	2006/10/13 15:09
S112	6	("4319088").URPN.	USPAT	OR	OFF	2006/10/13 15:12
S113	317	345/45	USPAT	OR	OFF	2006/10/13 15:12
S114	5	(381/73.1,57,104,107,94.1).ccls. and masking and network and paging and channel	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/07/22 15:15
S115	8	"4185167"	USPAT	OR	OFF	2006/10/13 16:13

## EAST Search History

S11 6	3	S115 and paging	USPAT	OR	OFF	2006/10/13 16:10
S11 7	12	(control\$3 (control near2 unit)) with paging with masking	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/10/13 16:51
S11 8	5	(control\$3 (control near2 unit)) with paging with masking and (mixing combine combining)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/10/13 16:52
S11 9	2	"ontario".AS. and masking and paging and channel and network and control	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/10/13 17:15
S12 0	1	("6426697").PN.	USPAT	OR	OFF	2006/10/13 17:14
S12 1	4	rusu.in. and masking and paging and channel and network and control	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/10/13 17:26
S12 2	1	("6990382").PN.	USPAT	OR	OFF	2006/10/13 17:26
S12 3	1	("5406634").PN.	USPAT	OR	OFF	2006/10/13 18:24
S12 4	0	S123 and paging	USPAT	OR	OFF	2006/10/13 18:31
S12 5	0	S123 and masking	USPAT	OR	OFF	2006/10/13 18:31
S12 6	4	"ontario".AS. and masking and combi\$4	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/10/14 18:12
S12 7	7	(masking same network same paging) and combi\$4	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/10/14 18:16
S12 8	7	(masking same network same paging) and combi\$4 and identi\$6 and receive	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/10/14 18:21
S12 9	7	(masking same network same paging) and combi\$4 and identi\$6 and receive and output	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/10/14 18:21
S13 0	291	(381/57).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/10/14 19:02



## EAST Search History

S13 1	29	S130 and masking	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/10/14 19:02
S13 2	5	moeller.in. and sound with mask\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/08/05 17:28
S13 3	6	(381/73.1,57,102-109,94.1).cccls. and (masking near2 frequency near2 signal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/07/22 15:21
S13 4	4	moeller.in. and (sound with mask\$3) and frequency	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/07/22 15:20
S13 5	4	moeller.in. and (volume same mask\$3 same frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/07/22 15:37
S13 6	44	(381/73.1,57,102-109,94.1).cccls. and (masking near2 frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/07/22 15:22
S13 7	5	moeller.in. and sound same mask\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/07/31 11:24
S13 8	4	S137 and frequency	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/07/31 11:24
S13 9	65	(381/73.1).cccls. and (mask\$3 same frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/07/31 11:42

## EAST Search History

S14 0	33	("20010021259"   "20020150261"   "20030048910"   "3298455"   "3497623"   "3849679"   "3879578"   "3985200"   "3985957"   "4010324"   "4024535"   "4052564"   "4052720"   "4054751"   "4059726"   "4185167"   "4280019"   "4319088"   "4390748"   "4438526"   "4450321"   "4476572"   "4622691"   "4661982"   "4674124"   "4686693"   "4914706"   "5167236"   "5192342"   "5360469"   "6310440").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/31 16:29
S14 1	27	sound same masking same frequency same control\$3 same network\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/07/31 16:30
S14 2	110	(sound same masking) and (frequency same control\$3 same network\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/07/31 16:31
S14 3	30	(sound near3 masking) and (frequency same control\$3 same network\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/07/31 16:31
S14 4	7	("4185167").URPN.	USPAT	OR	OFF	2007/08/02 16:12
S14 5	323	((sound noise) with mask\$3) same network\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/08/02 16:13
S14 6	323	((sound noise) with mask\$3) same network\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/08/02 16:14
S14 7	45	((sound noise) adj2 masking) same network\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/08/02 16:14
S14 8	184	"381"/\$.ccls. and (frequency near2 mask\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/08/03 14:07

## EAST Search History

S14 9	118	"381"/\$.ccls. and (frequency adj2 mask\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/08/03 14:08
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